

WC11
SOLVEN-BORNE ACID-CATALYZED LACQUER SYSTEM WITH FAST DRYING PRIMING LACQUER

MERIT SANDING	005 2722
MERIT 20	005 2704
MERIT 30	005 2703
MERIT 80	005 2701

Solvent- borne acid catalysed system WC11 is lacquer system for interior wooden doors, chairs, furniture, panels, frames etc.

Merit Sanding is one-component fast drying and easy to sand priming lacquer. It contains effective uv-protective agent.

Merit is two-component acid catalysed top lacquer and it has very good chemical and scratch resistance.

LACQUER SYSTEM WITH FAST DRYING SEALER

Treatment	Product	Application method	Wet film thickness
1x priming	Merit Sanding	Spraying	80-120 µm
1x top lacquering	Merit 20, 30, 80	Spraying, curtain coating	80-120 µm

PRODUCT PROPERTIES

Solid Content	21 volume-%	005 2722
	49 volume-%	005 2703
Specific gravity	1,0 kg/l	
Lacquer hardener mixing ratio	Merit 20, 30, 80 : 006 2098	100:10

Drying times

	80-120 /m ²	+23°C	+50°C
Merit Sanding	Dry to sand	2-3 h	20-25 min
	Dry to stack	2-3 h	20-25 min
Merit 20, 30, 80	Dry to sand	3-4 h	30-40 min
	Dry to stack	24 h	60-70 min

Stacking temperature below +35°C.

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

Gloss (DIN 67530, ISO 2813/60°)	15-20	(005 5704)
	27-33	(005 5703)
	>80	(005 5701)

Application methods Spraying, curtain coating, dipping

Thinner Thinner 1025 (slow), 1027 (normal) or 1033 (fast)

Cleaning of equipment Thinner 1025, 1027, 1033

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SURFACE PREPARATION

Dirt, dust and other unfamiliar material must be removed from the surface. Wooden material should be sanded before application with paper grain size 150 – 240. All sanding dust must be removed before application.

APPLICATION CONDITIONS

During application and drying the temperature of the air, paint and surface should be at least +18 °C. The relative humidity should not exceed 70 %. Good ventilation is needed during drying process.

APPLICATION

Stir the Merit Sanding well and thin the lacquer to the proper application viscosity with thinner 1033. Proper spraying viscosity is 18-25 sec (Din4).

Spray an even coat and let it dry about 2-3 h (in 20-30 °C temperature) before sanding. Sand the surface carefully with paper grain size 320 or 400 and remove sanding dust before second application.

Stir the Merit lacquer well and add 10 % by volume of hardener 006 2098 and mix well again. Thin the lacquer to the proper application viscosity with thinner 1033, 1027 or 1025. Proper spraying viscosity is 18-25 sec (Din4). Spray an even coat and let it dry.

The drying time depends of film thickness, temperature, relative humidity and the air ventilation.

The right nozzle size is 0,009-0,011" and angle 20 or 40 and the spraying distance from object about 20-25 cm.

MAINTENANCE LACQUERING

Wash down the surface with Maalipesu and rinse carefully with water. Remove old loose lacquer with scraper. Sand down surface and remove the sanding dust. Stir Merit Jahti or Unica Super well before use. Apply evenly 1-2 coats of lacquer. Sand down lightly between each coat.

The above information is not intended to be exhaustive or complete. The information is based on laboratory tests and practical experience, and it is given to the best of our knowledge. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As manufacturer we cannot control the conditions under which the product is being used or the many factors that have an effect on the use and application of the product. We disclaim liability for any damages caused by using the product against our instructions or for inappropriate purposes. We reserve the right to change the given information unilaterally without notice.

The product is intended for professional use only and shall only be used by professionals who have sufficient knowledge and expertise on the proper use of the product. The information above is advisory only. To the extent permitted by applicable law, we shall not approve of any liability for the conditions under which the product is being used or for the use or application of the product.

In case you intend to use the product for any other purpose than that recommended in this document without first getting our written confirmation on the suitability for the intended use, such use takes place at your own risk.